

ADJUSTABLE-SPEED DRIVES

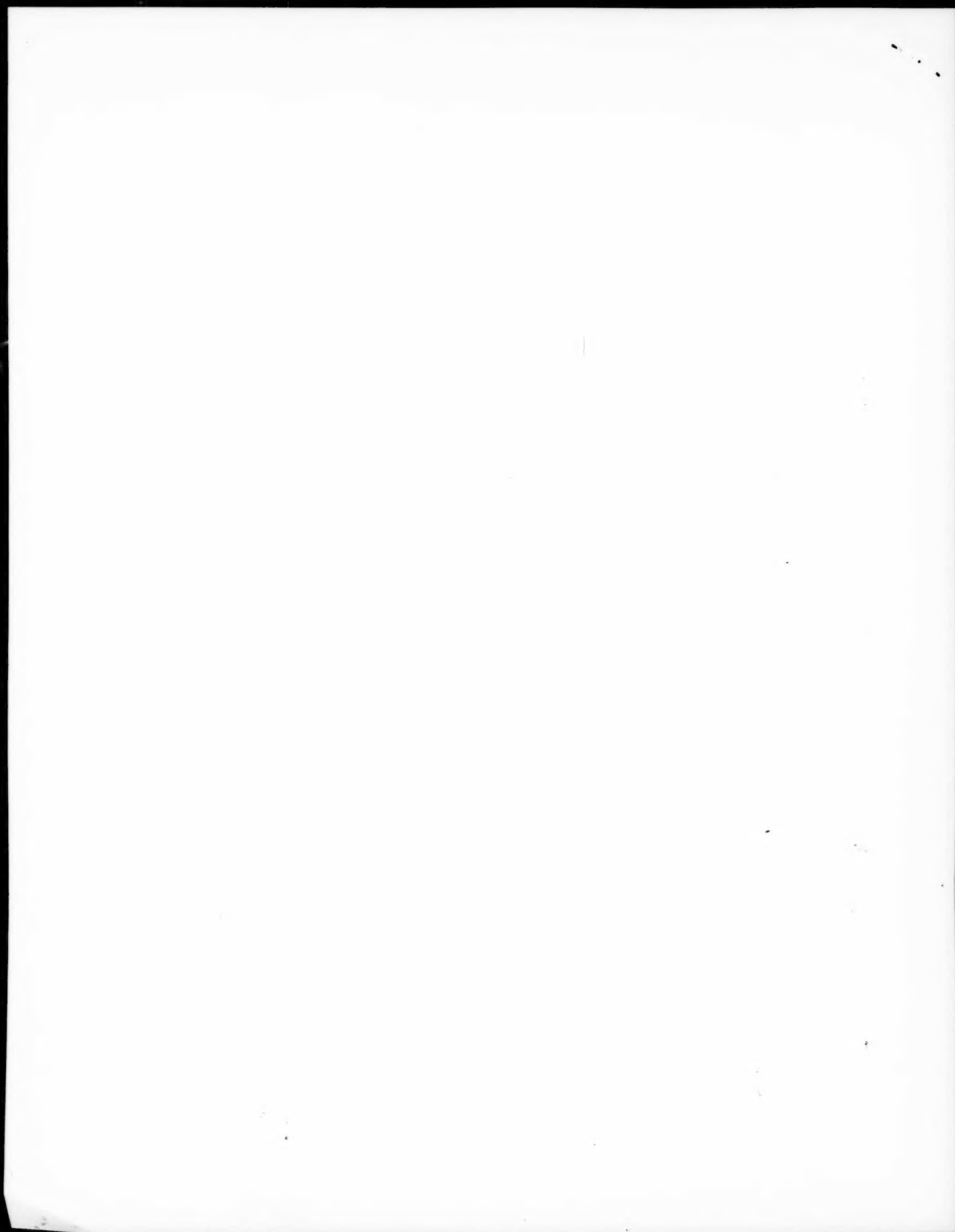
Title, length (pages) 1966	Month, page
Hydrostatic tractor assist replaces front wheel without frame change (2/3)	Feb 17
Fluid drive cuts motor's power draw when furnace exhaust fan goes off duty (1)	Feb 20
Hydrostatics drive small tractors (1)	Mar 39
How small SCR drives handle light webs (4)	Mar 44
How to use variable-speed pulley drives (4)	Apr 54
PTD product acceptance report: SCR drives (1/2)	Apr 68
Frequency-controlled system drives army test vehicle (2)	May 18
Adjustable-speed drive gets rings to the right party (2/3)	Jun 34
An analysis of the function of modern adjustable ratio drives:	
Part I, Mechanical Drives (5)	Jul 27
Stock components combine to control speed precisely (2-1/3)	Oct 40
How we assembled an integral drive (1)	Oct 52
An analysis of the function of modern adjustable-ratio drives:	
Part II, Hydraulic Drives (3-1/2)	Nov 36

BEARINGS

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Wood bearings pass five-year test in roll-out cradle (2/3)	Feb 59
How varying load affects life of rolling bearings (4)	Mar 55
Dual-roller linear bearings support sliding carriages of paddle conveyor and bale stacker (1-1/3)	Mar 60
PTD product acceptance report: Plastic sleeve bearings (2/3)	Apr 68
Floating-ring bearing seals: Oil lubrication replaces grease (1)	Apr 71
Testing bearings for vibrating loads (1-2/3)	Apr 72
Hydrostatic bearings support vibration shaker armature (2/3)	Apr 76
Bearing mounts and why you need them (3)	May 45
The SST wing bearing can support 4-million pounds (2)	May 49
Nylon bushings and guidelines end concrete-block manufacturing replacements (1)	May 52
Just around the corner—Bearings you can count on (3)	Jun 63
Bonded-rubber ball bearings dampen noise and vibration (1)	Jul 45
Inside-out bearings cut sliding wear (1)	Jul 48
Bearings in the hinge of an articulated vehicle (3)	Sep 33
Understanding load-capacity relationships in large-diameter ball bearings (3)	Sep 43
New test machine tests bearing quality quickly (3)	Sep 46
Ball-bearing cargo rollers speed palletized freight handling (1)	Oct 61
Linear bearings keep target on target (2)	Oct 62
Nylon thrust washers smooth appliance-motor operation (1)	Oct 64
Gears can cause bearing wear (3)	Nov 47
Special bearing retainers speed-up the presses	Nov 50
Bearing hardness differential—What difference does it make? (4-2/3)	Dec 37
How to use needle bearings	Dec 43

BELT DRIVES

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Opposed air clutches drive twin YoYo's of long stroke oil pump (1-1/3)	Jan 15
Fast-running elastic flat belt absorbs shock, transmits high torque over critical centers (2/3)	Feb 22
High powered garden tractors (1)	Mar 38
How to use variable-speed pulley drives (4)	Apr 54
Poly-V belts catch a runaway drive (1)	May 43
Redesigned drive upgrades an old conveyor (2)	Oct 38
Stock components combine to control speed precisely (2-1/3)	Oct 40
Inside-out V-belt drive smooths out the wrinkles (1)	Oct 44
Relocated drive speeds-up production, makes plant safer (2)	Oct 46
Product knowledge saves the day (1)	Oct 54
Ultra-fast pellet mill (2/3)	Dec 22
Computer specifies belt drives (4)	Dec 25



CHAIN DRIVES

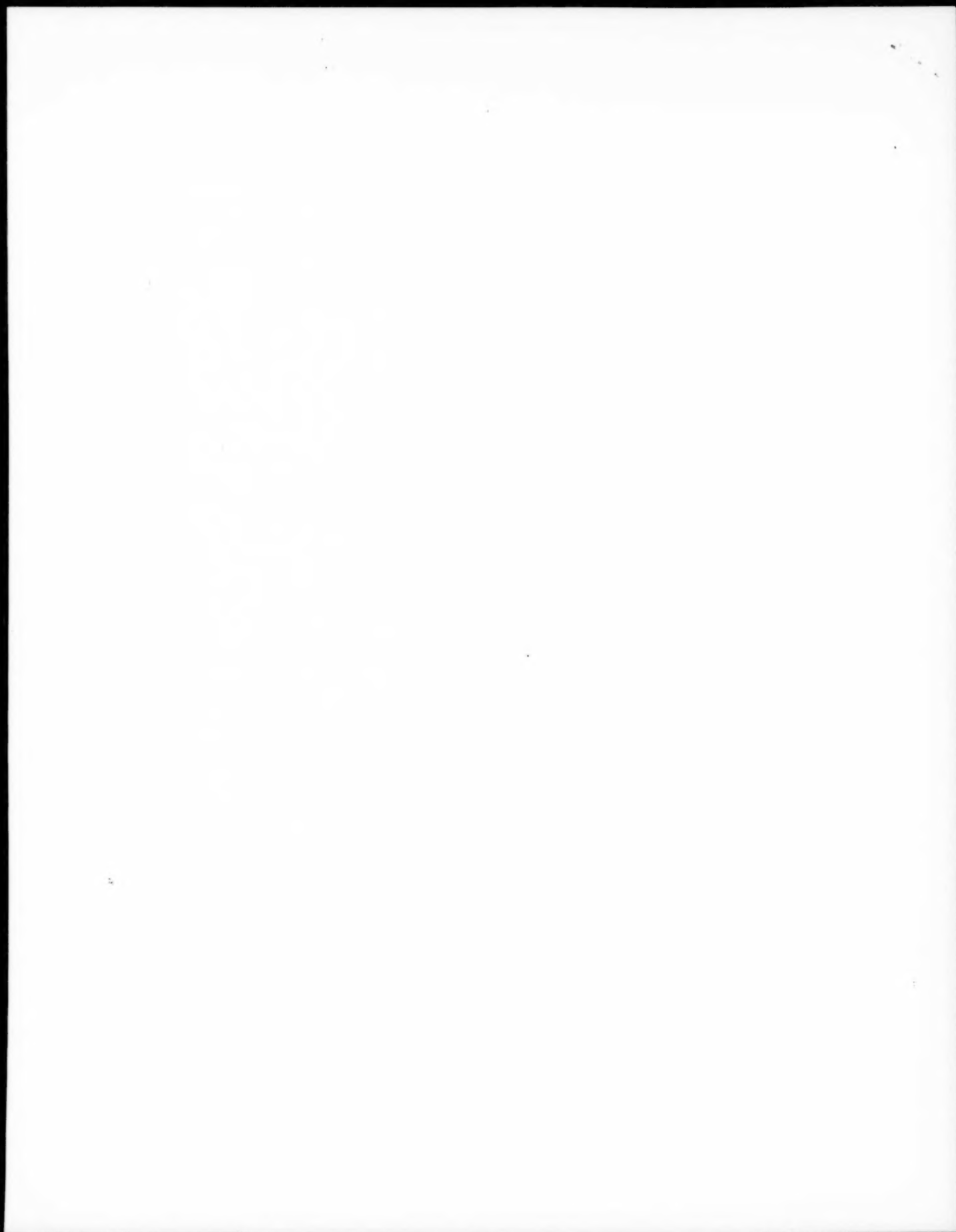
Title, length (pages) 1966	Month, page
Zytel-coated aluminum sprockets drive away replacement problems (2/3)	Mar 32
Reversing gear box drives web straightener (2)	Apr 58
Two-speed motor moves pallets quickly, precisely (2)	May 28
Four-square chain tester finds new chain limits (4)	Jun 48
New roller-chain ratings increase design flexibility (2)	Jun 56
Stock replaces special (2/3)	Sep 38
Stock components combine to control speed precisely (2-1/3)	Oct 40
Overload protection for chain drives (1-2/3)	Oct 50

CLUTCHES, BRAKES, FLUID COUPLINGS, TORQUE CONVERTERS

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Opposed air clutches drive twin Yo-Yo's of long-stroke oil pump (1-1/3)	Jan 15
Clutches keep idle conveyor from running away (1)	Jan 19
Alternators charge batteries for mine car's magnetic brakes (1)	Mar 26
Don't overlook ratchet drives (2-1/3)	Mar 40
Putting centrifugal force to work—backwards (1-1/3)	Apr 66
Centrifugal force retards runners in shock-absorbing planetary drive (1)	May 16
Electric brakes hold tables during machining (1/2)	Jun 36
FAST evaluates clutch and brake linings fast (1)	Jul 43
Stock replaces special (2/3)	Sep 38
Packager's portability preserved (1-2/3)	Oct 48
Operation deepsearch (2)	Dec 34

GEAR DRIVES

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President's report—AGMA in perspective (2)	Feb AGMA/1
The AGMA language of standards (1)	Feb AGMA/3
The gearmaking processes—building on the basics (4)	Feb AGMA/4
Zero to 12 million a year (2)	Feb AGMA/8
Cast-Forged-Sintered-Plastic (3)	Feb AGMA/10
Worm gearing in retrospect (2)	Feb AGMA/13
The phenomenal growth of aerospace gear art (2)	Feb AGMA/15
Lifelines for geartrains (1)	Feb AGMA/17
The genealogy of speed-reducer standards (2)	Feb AGMA 18
The gearmotor—a unique combination (1-1/3)	Feb AGMA/20
Making gears to order (1)	Feb AGMA/22
Four-speed powershift transmissions drive towing vehicles in Montreal subway construction (1/2)	Mar 28
What you can now do with non-circular gears (2-2/3)	Apr 51
Reversing gearbox drives web straightener (2)	Apr 58
Tricks and Traps: The case of the accelerating geartrain (1)	Apr 65
12 1/2-Ton reducers drive huge kiln (2/3)	May 20
Two-speed motor moves pallets quickly, precisely (2)	May 28
One chart shows all gear errors affecting transmission (3)	May 32
A portfolio of noncircular gears in use (4)	May 37
Hydromechanical power for multi-speed spindle (3)	Jun 45
Hanging pinion rides the rails (2)	Jun 54
Compact, high reduction, single stage: A natural for winch drives (2)	Jul 32
Beware of backdriving torque! (2-2/3)	Jul 34
Tough transmissions tackle antarctic test (2)	Sep 36
Tricks and Traps: The case of the overstressed shaft (1)	Sep 41
Stock components combine to control speed precisely (2-1/3)	Oct 40
How we assembled an integral drive (1)	Oct 52
Gears can cause bearing wear (3)	Nov 47



INDUSTRY REPORTS

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The weekend gardener: Power at his fingertips (5)	Mar 35
35,000 ft. hypodermic (3)	May 28
How to measure torque (4)	Jun 41
A new look in mobile equipment design (5)	Sep 28
What a distributor is and what he does for you (2/3)	Oct 37
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LUBRICANTS AND SYSTEMS

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Lifelines for geartrains (1)	Feb AGMA/17
Easy maintenance: It's in the cards (2-2/3)	Jun 68
Tough transmissions tackle antarctic test (2)	Sep 36
Gears can cause bearing wear (3)	Nov 47
The how's and why's of specifying grease for bearings (5)	Nov 53

MOTORS AND ENGINES

Title, length (pages) 1966	Month, page
The gearmotor—A unique combination (1-1/3)	Feb AGMA/20
Two-speed motor moves pallets quickly, precisely (2)	May 28
Industrial drives: Turbines turn the table (5)	Nov 31
Operation deepsearch (2)	Dec 34

OTHER COMPONENTS

Title, length (pages) 1966	Month, page
The couplings story: Finding the common ground (2/3)	Feb AGMA/21
Floating-ring bearing seals: Oil lubrication replaces grease (1)	Apr 71
Driving toward better seal specifications (1)	Apr 79
Tapered rib-cam drives synchronize intermittent rotary and linear motion (2)	May 30
Rubber couplings untwist torsional vibration (2)	Jul 39
A guide to dynamic seals: Part I, Labyrinth Seals (2)	Jul 46
Tricks and Traps: The case of the overstressed shaft (1)	Sep 41
Second generation U-joints keep the pumps pumping (1/2)	Dec 20
Stability of vertical shafts: Part I, Elastic stability (4)	Dec 29

BASIC EDUCATION

Title, length (pages) 1966	Month, page
Tricks and Traps—in the design of drives and bearings:	
The accelerating cam (1)	Mar 49
The case of the accelerating geartrain (1)	Apr 65
The case of the overstressed shaft (1)	Sep 41
Automatic Controls—I tell Homer about servos:	
Session 5, Multiloop Servosystems (1-2/3)	Mar 51
Session 6, Anticipatory Systems (1-2/3)	Jul 51
Session 7, Integrating Servos (2)	Oct 57
How to rub out friction:	
Part 1, Friction between solid bodies (2-2/3)	Apr 61
Part 2, Heat and Friction (2)	Jun 59
Part 3, Friction in fluids (3-1/2)	Nov 41
How to measure torque (4)	Jun 41
An analysis of the function of modern adjustable-ratio drives:	
Part 1, Mechanical Drives (5)	Jul 27
Part 2, Hydraulic Drives (3-1/2)	Nov 36
A guide to dynamic seals:	
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